



U.S. Department of Agriculture  
National Agricultural Statistics Service (NASS)  
Oregon Field Office

# Oregon Hazelnut Production Forecast

August 25, 2011





# **Quick Facts about the 2011 Hazelnut Objective Yield (HOY) Survey**

- **Total sample size = 180 samples**
  - **1 sample = 1 orchard**
  - **2 trees per orchard**
  - **90 samples carried from last year**
  - **90 samples painted this year**
  - **Of the 180 samples, 173 were usable**
- **Total nuts picked = 98,210**
  - **Of those, 16,227 were sub-sampled**
  - **80.1% of sub-sampled nuts were good (12,993 nuts)**



- **Sampling stage:** nuts are counted and sub-sampled



- **Peeling stage:** leaves are peeled away from the shell





- **Sizing stage:** nuts are passed through the smallest possible sizing hole



- **Cracking and weighing:** This is where good nuts are separated from defective nuts. Good nuts are weighed, defective nuts discarded.



# Oregon Hazelnut Production

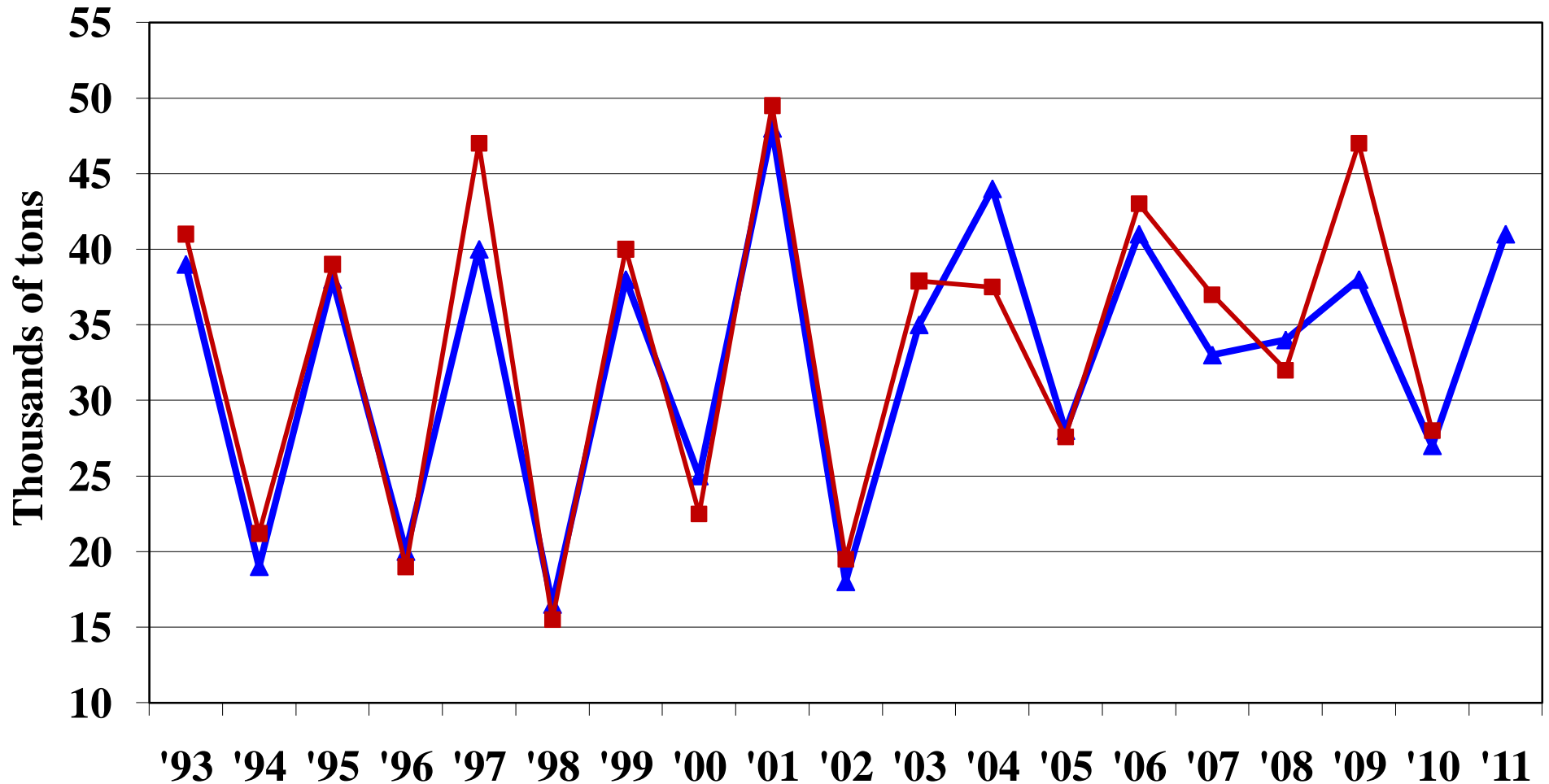
*-Released August 23, 2011-*

<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011 forecast</b>	<b>Pct. Chg.</b>
<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Pct.</i>
<b>37,000</b>	<b>32,000</b>	<b>47,000</b>	<b>28,000</b>	<b>41,000</b>	<b>+46</b>



# Hazelnut Production

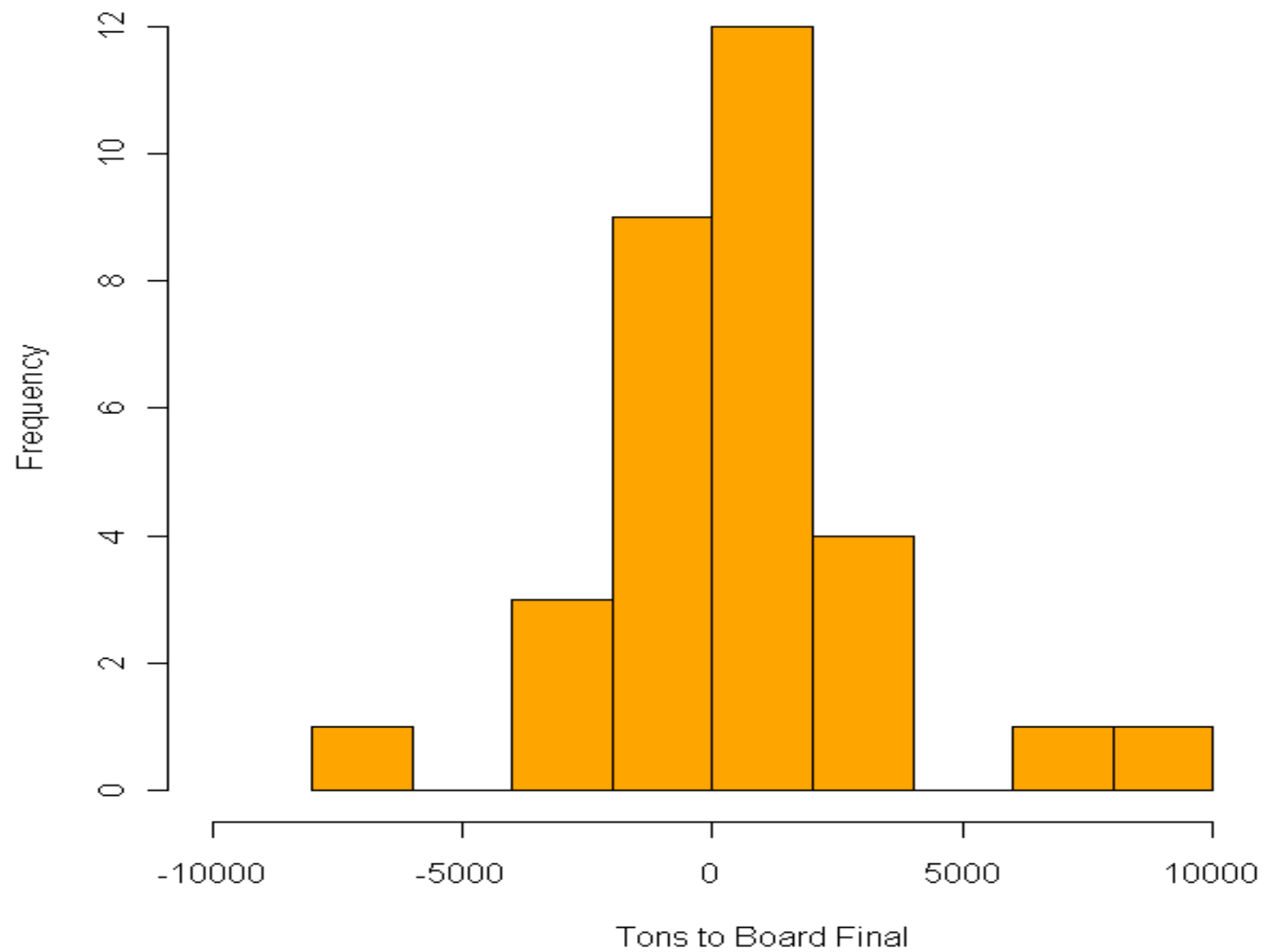
## Forecast vs. Final



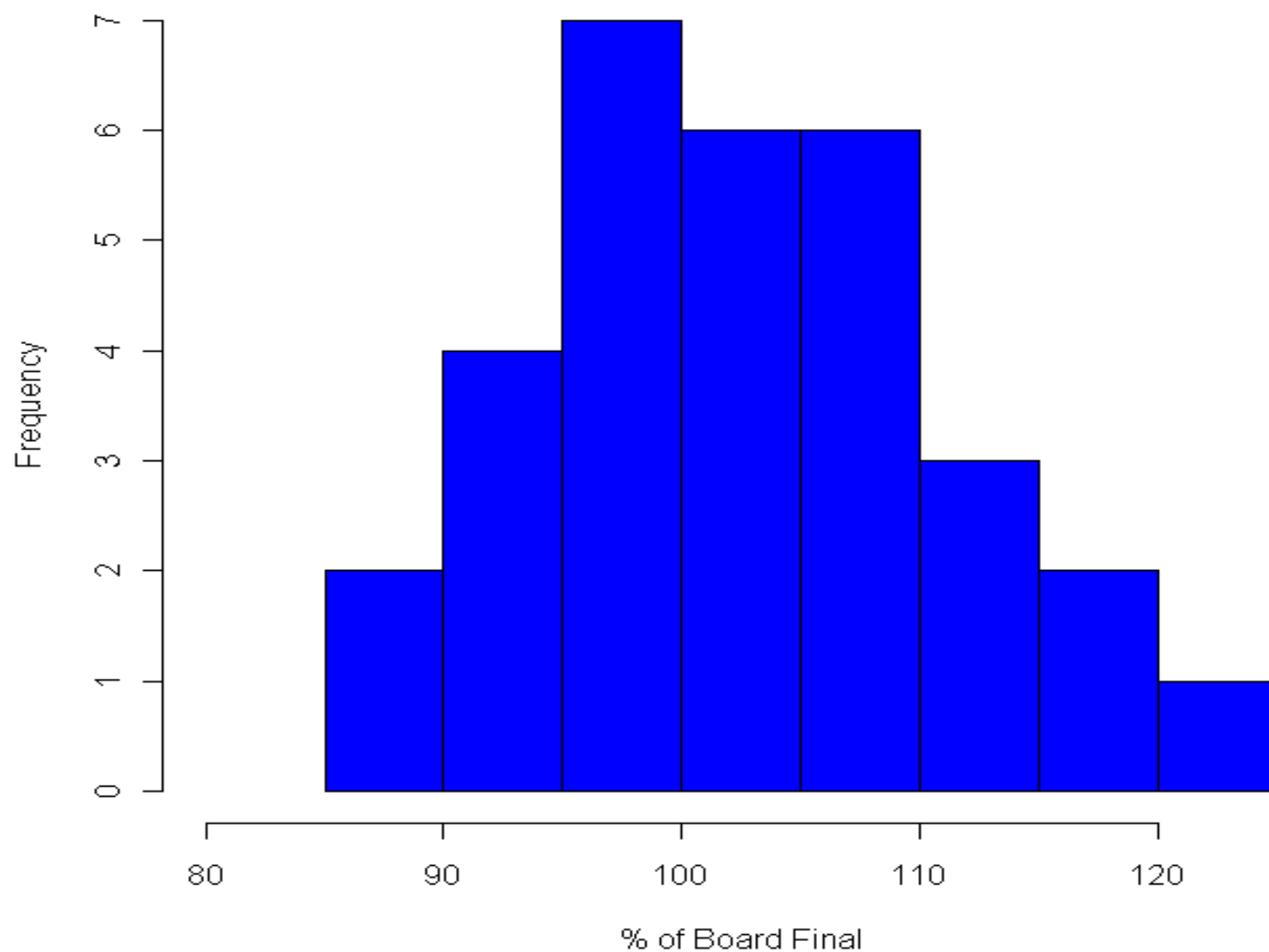
▲ August Forecast ■ Final



### History of Change from Forecast (1980-2010)



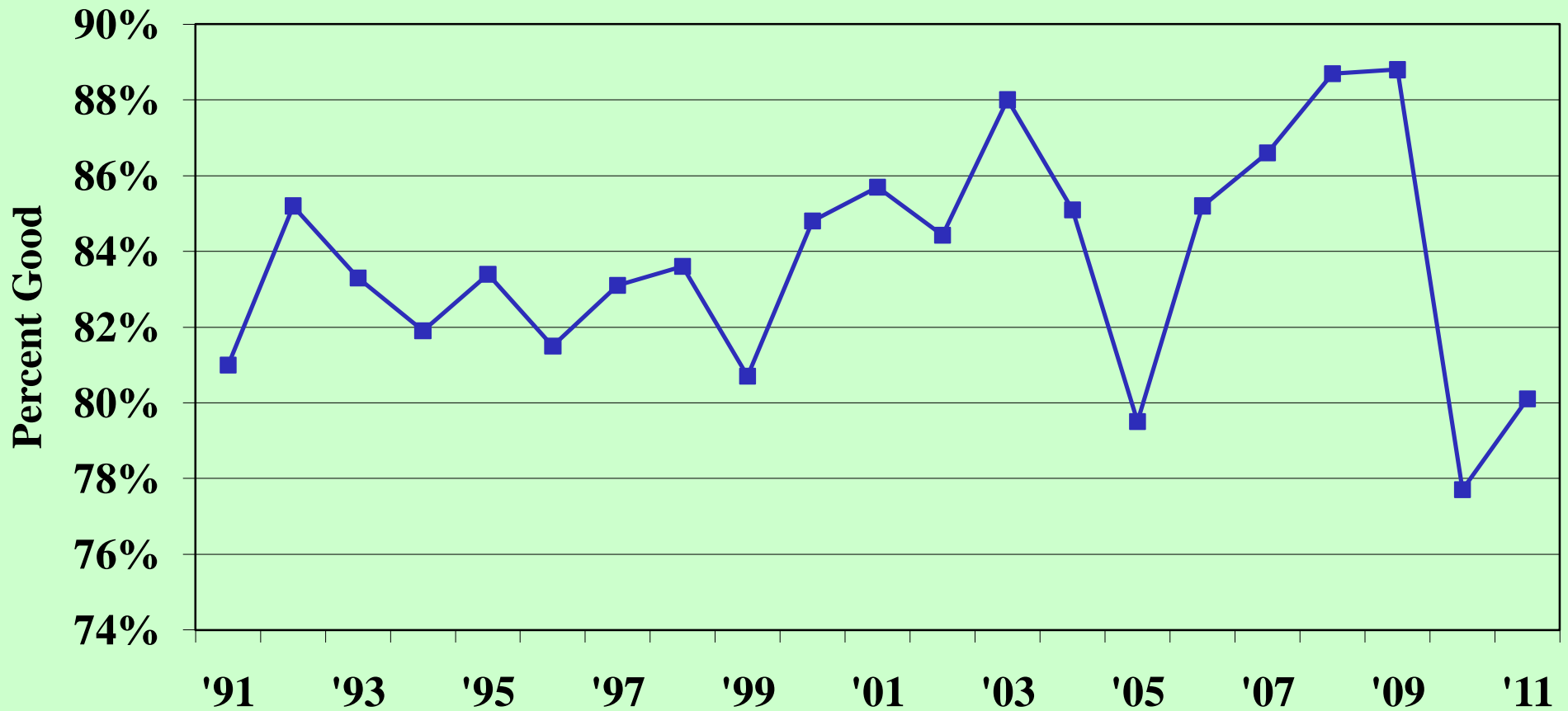
### History of Board % Relative to Forecast from 1980-2010





# Percentage Good Nuts

## Hazelnut Objective Yield Lab



# Results of 2011 Lab Sampled Nuts

Lab Size Group	Good Nuts Sampled	Defective Nuts Sampled	Brown Stain Nuts	Percent Defective	Industry Size Groups
Size 1	94	261	2	73.5 %	Small
Size 2	1065	561	14	34.5 %	Small
Size 3	1,538	390	3	20.2 %	Medium
Size 4	1,344	257	4	16.1 %	Large
Size 5	1,950	370	4	15.9 %	Large
Size 6	1,379	278	3	16.8 %	Large
Size 7	2,342	446	16	16.0 %	Jumbo
Size 8	3,281	671	8	17.0 %	Jumbo
Totals	12,993	3,234	54	19.9 %	

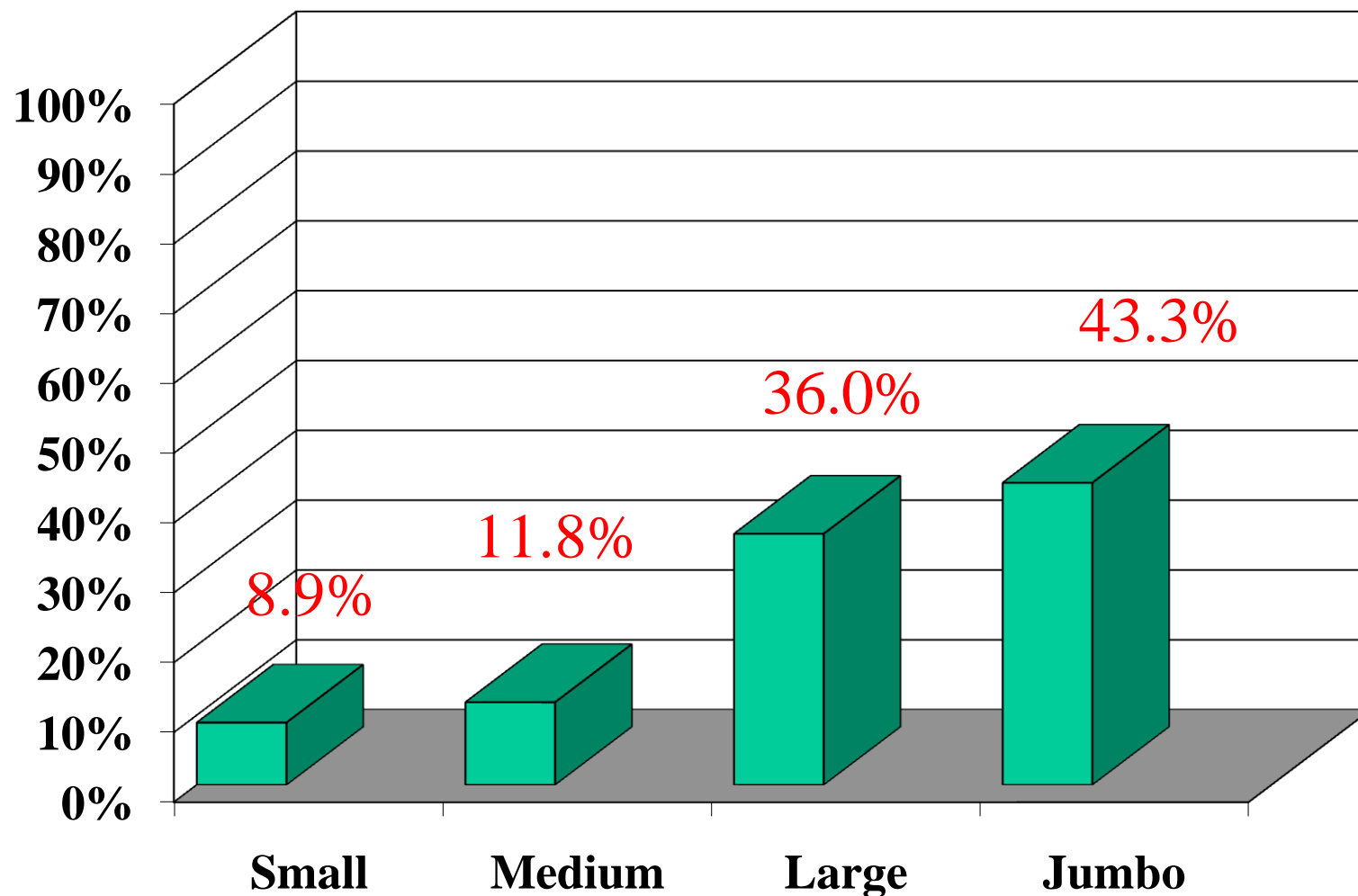
Brown stain count is included in defective nuts

Total nuts sampled = 16,227



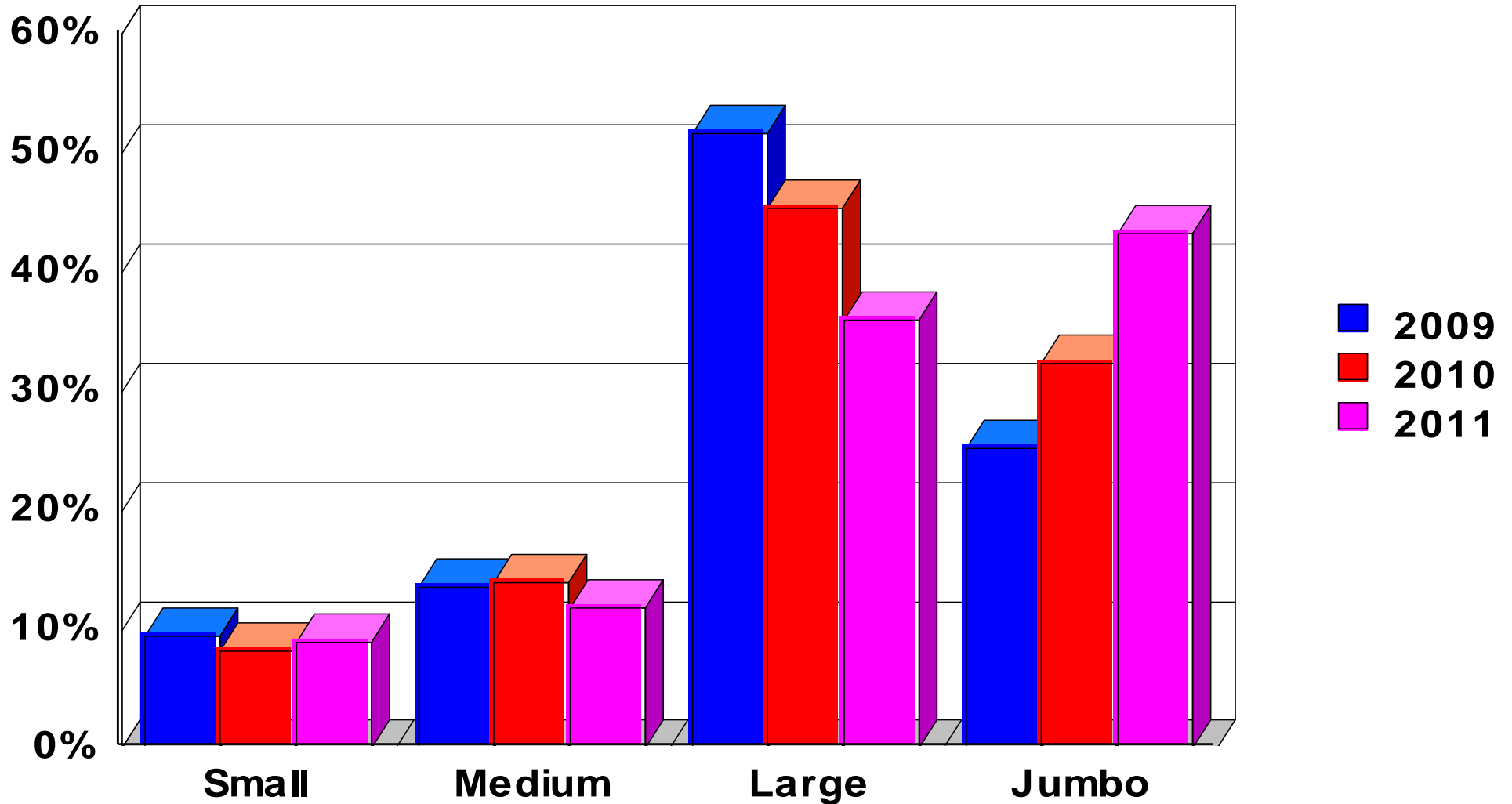


# 2011 Good Nut Production Percentage by Industry Groupings

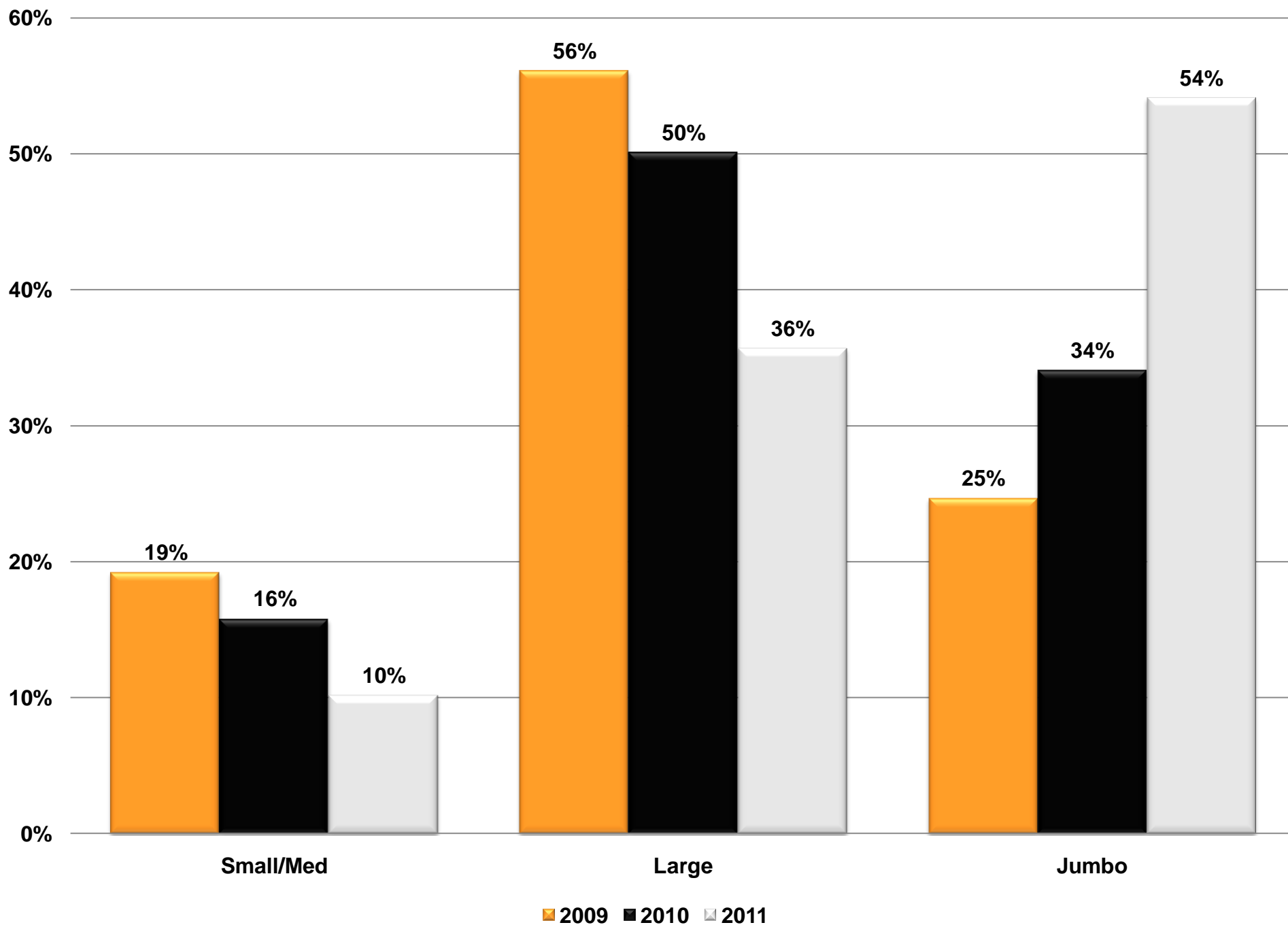


12,993 good nuts sampled in 2011

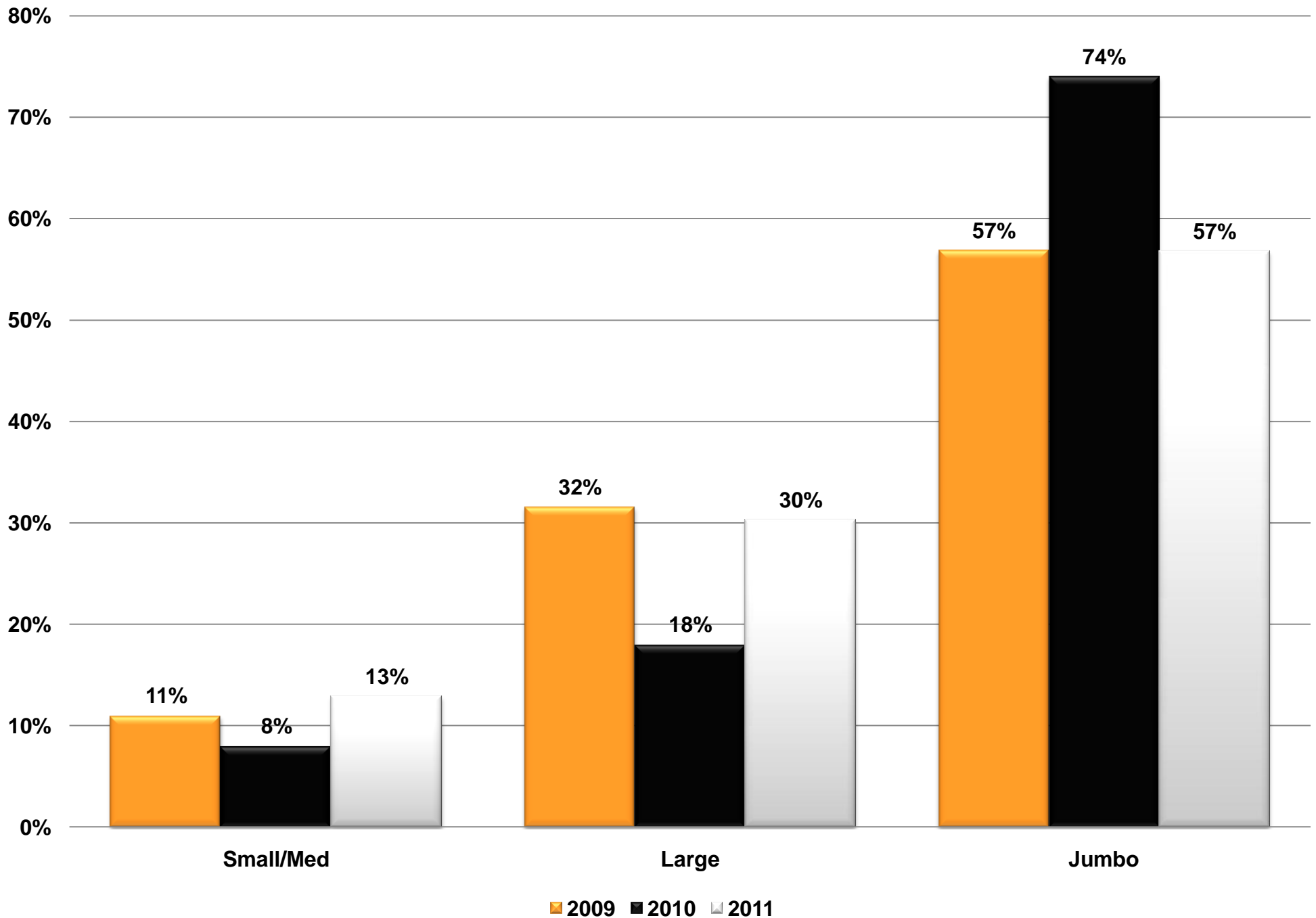
# Percentage of Good Nuts by Size Group, 2009-2011



**Percent of good nuts sampled by size group,  
Barcelona**

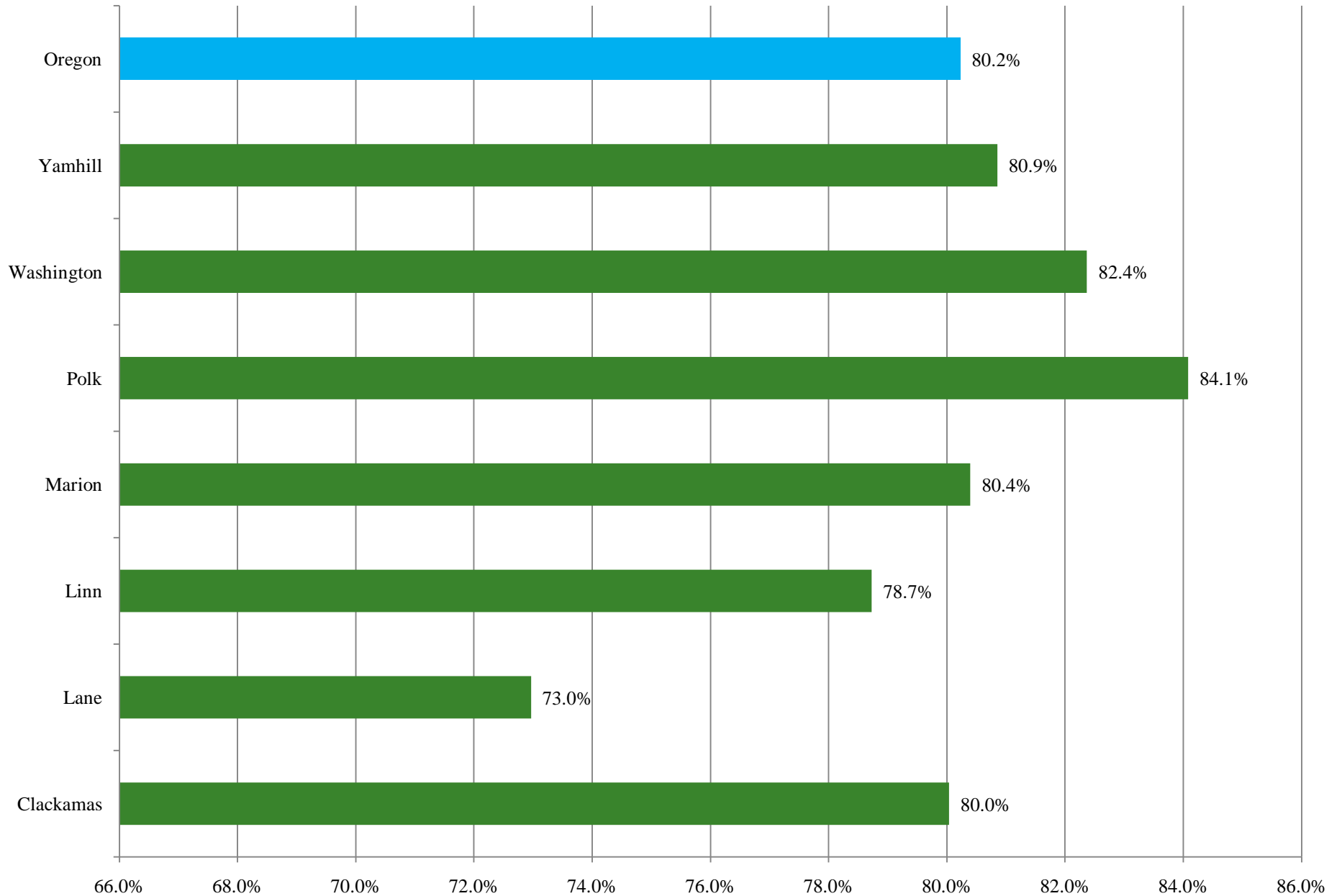


Percent of good nuts sampled by size group,  
Ennis





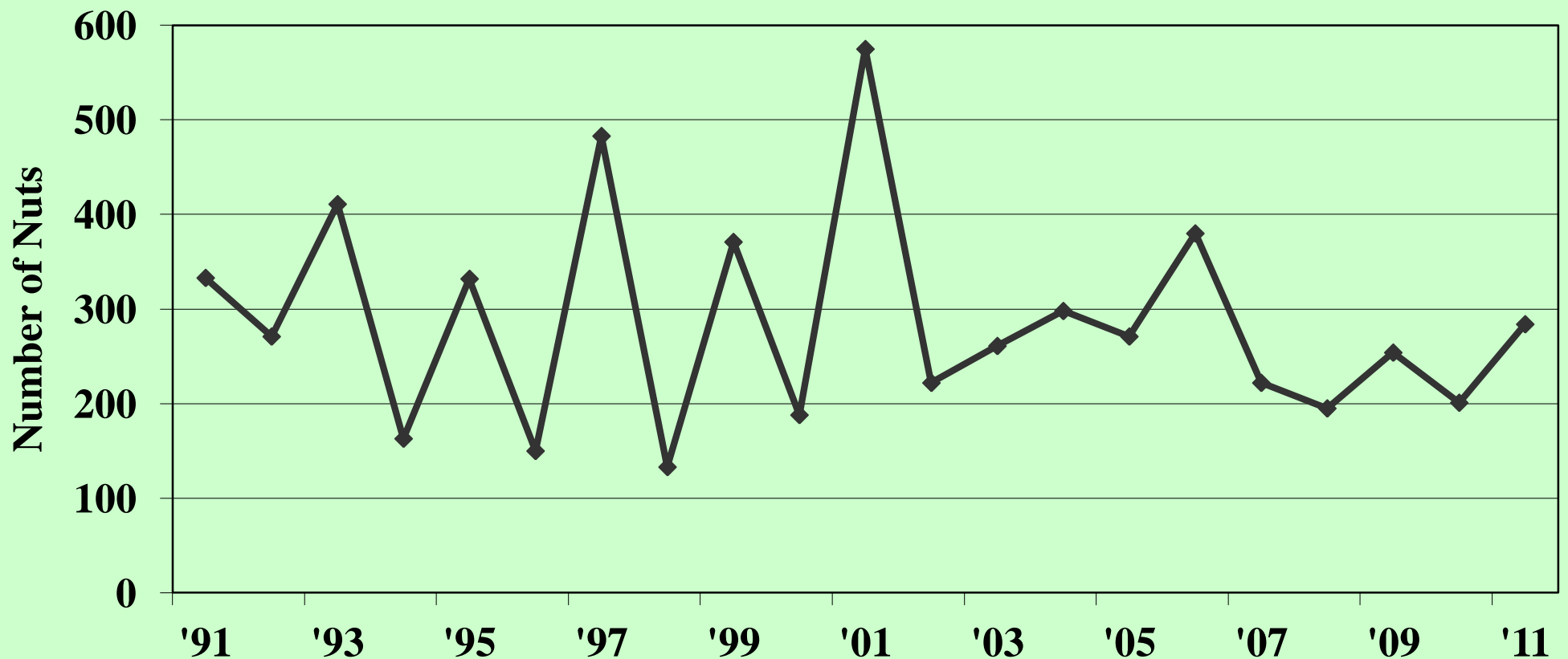
# Percentage of Good Nuts by County



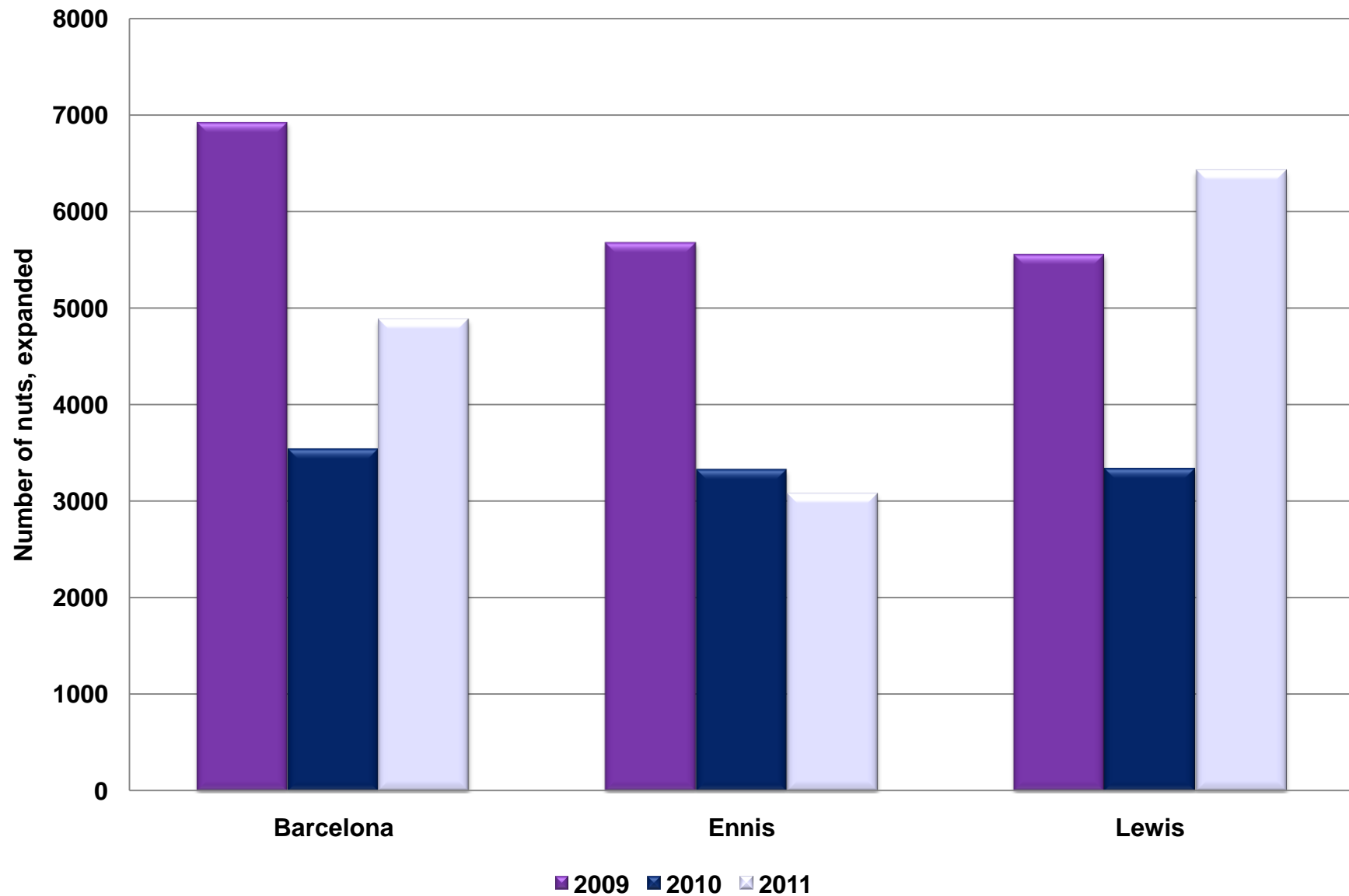


# Nuts Picked Per Tree

Hazelnut Objective Yield Lab

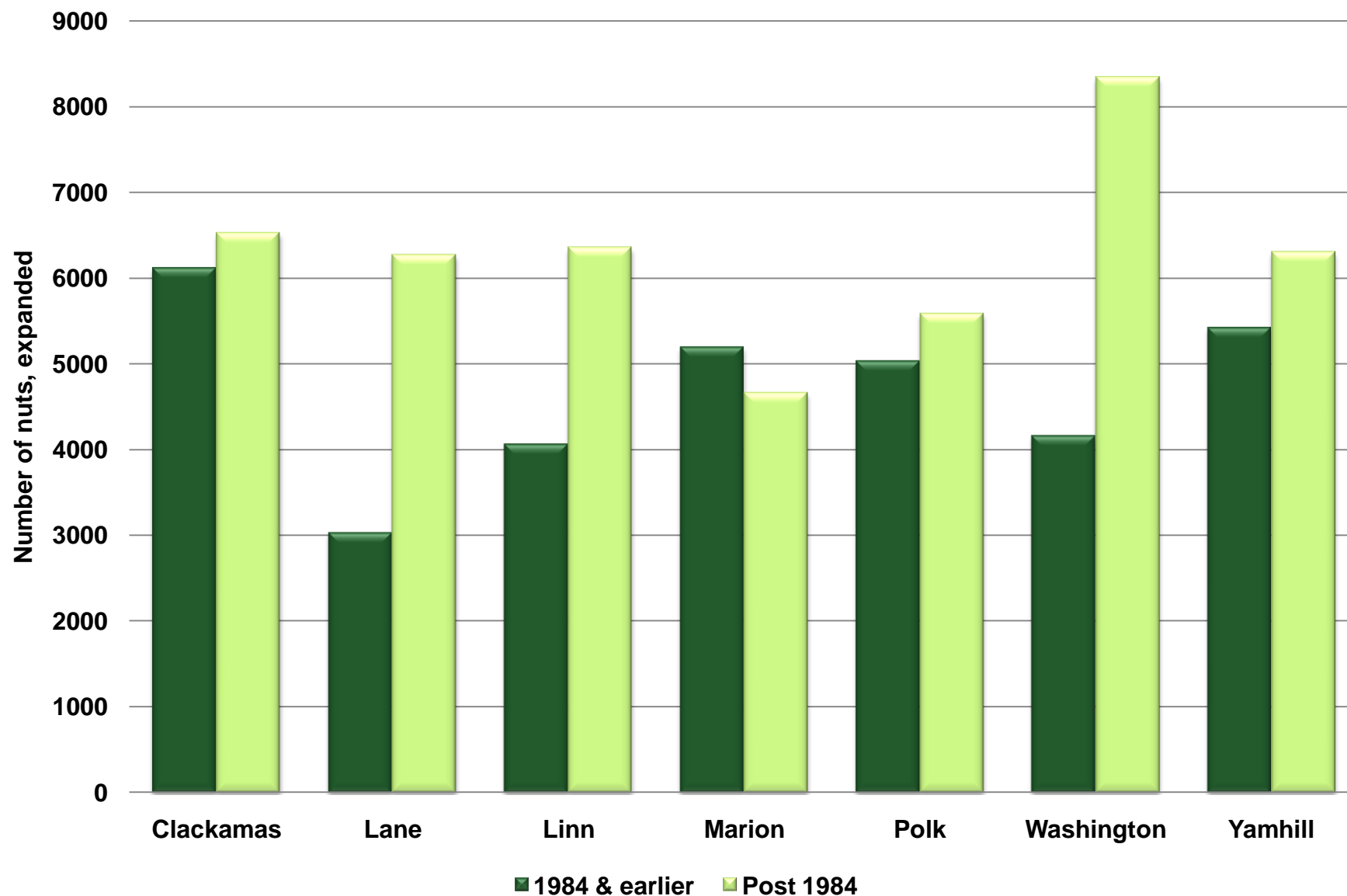


**Average number of expanded nuts per tree (for all sizes) for Barcelona, Ennis, and Lewis 2009 - 2011**



1/ The average number of nuts per tree is a calculation. It is the number of good nuts sampled per tree expanded by the number of terminal and primary limbs recorded from each tree.

**Average number of expanded nuts per tree,  
by county and year planted, all varieties, 2011**



1/ The average number of nuts per tree is a calculation. It is the number of good nuts sampled per tree expanded by the number of terminal and primary limbs recorded from each tree.

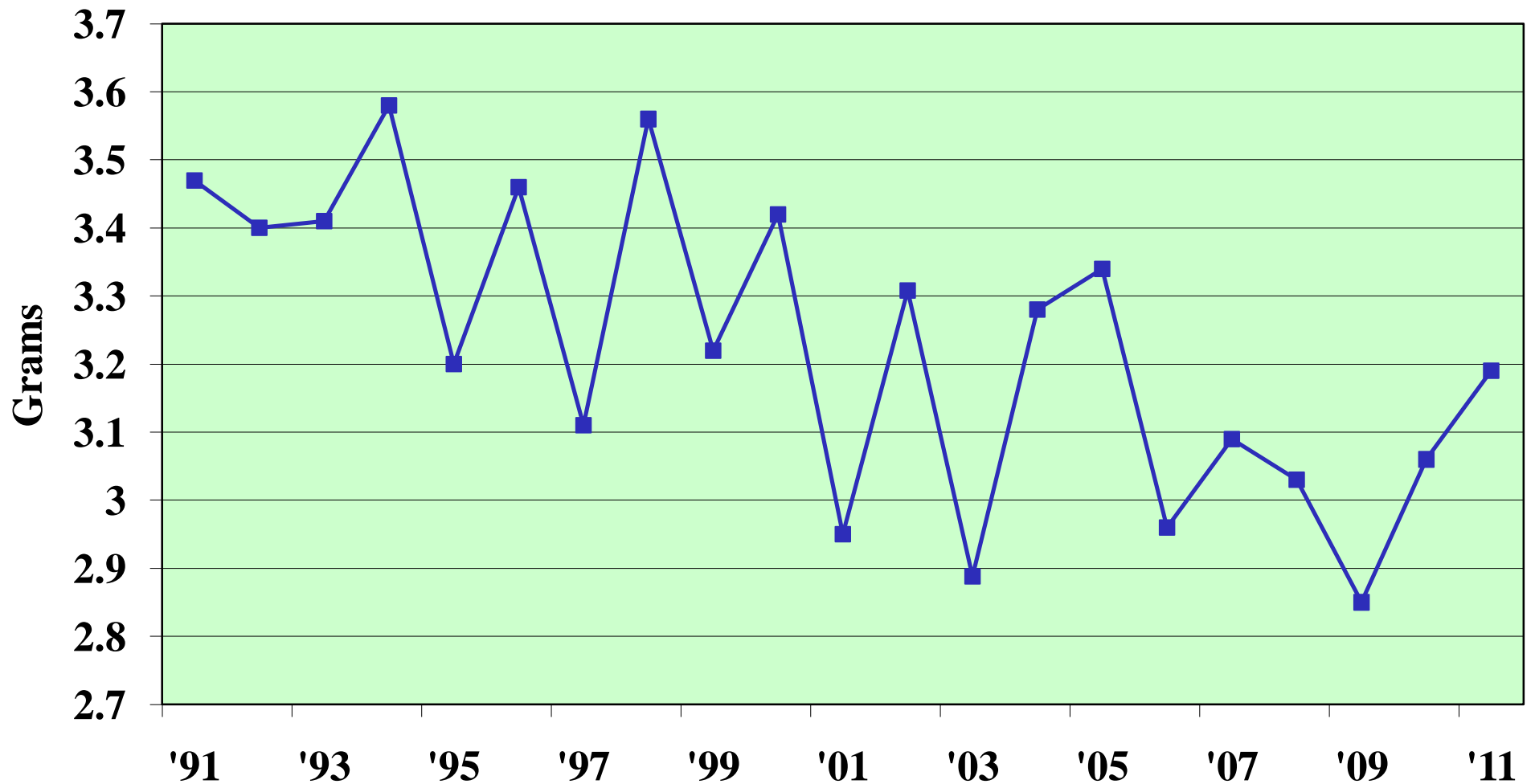
2/ Only trees with positive good nuts sampled were considered in these averages.





# Dry Weight per Good Nut

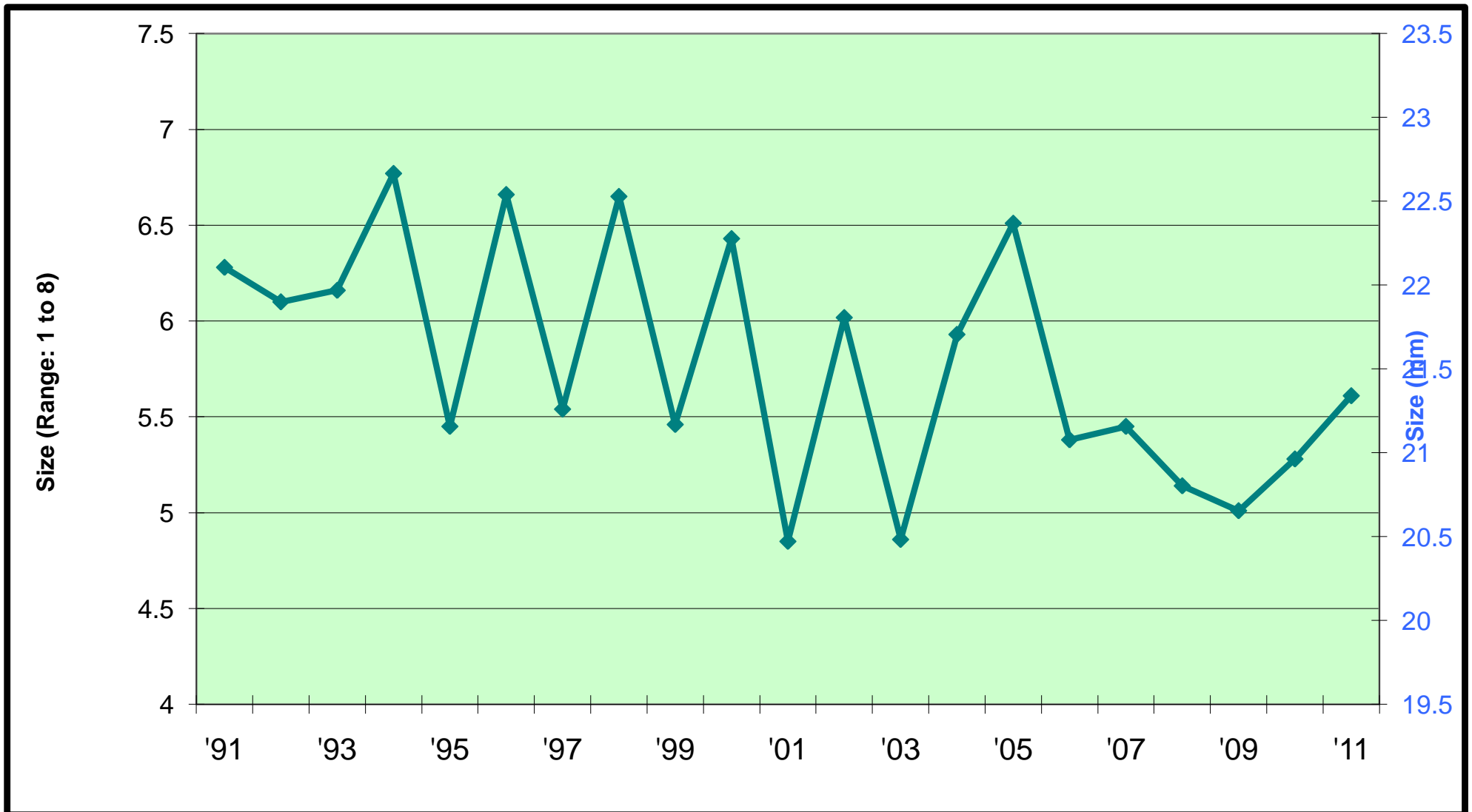
## Hazelnut Objective Yield Lab





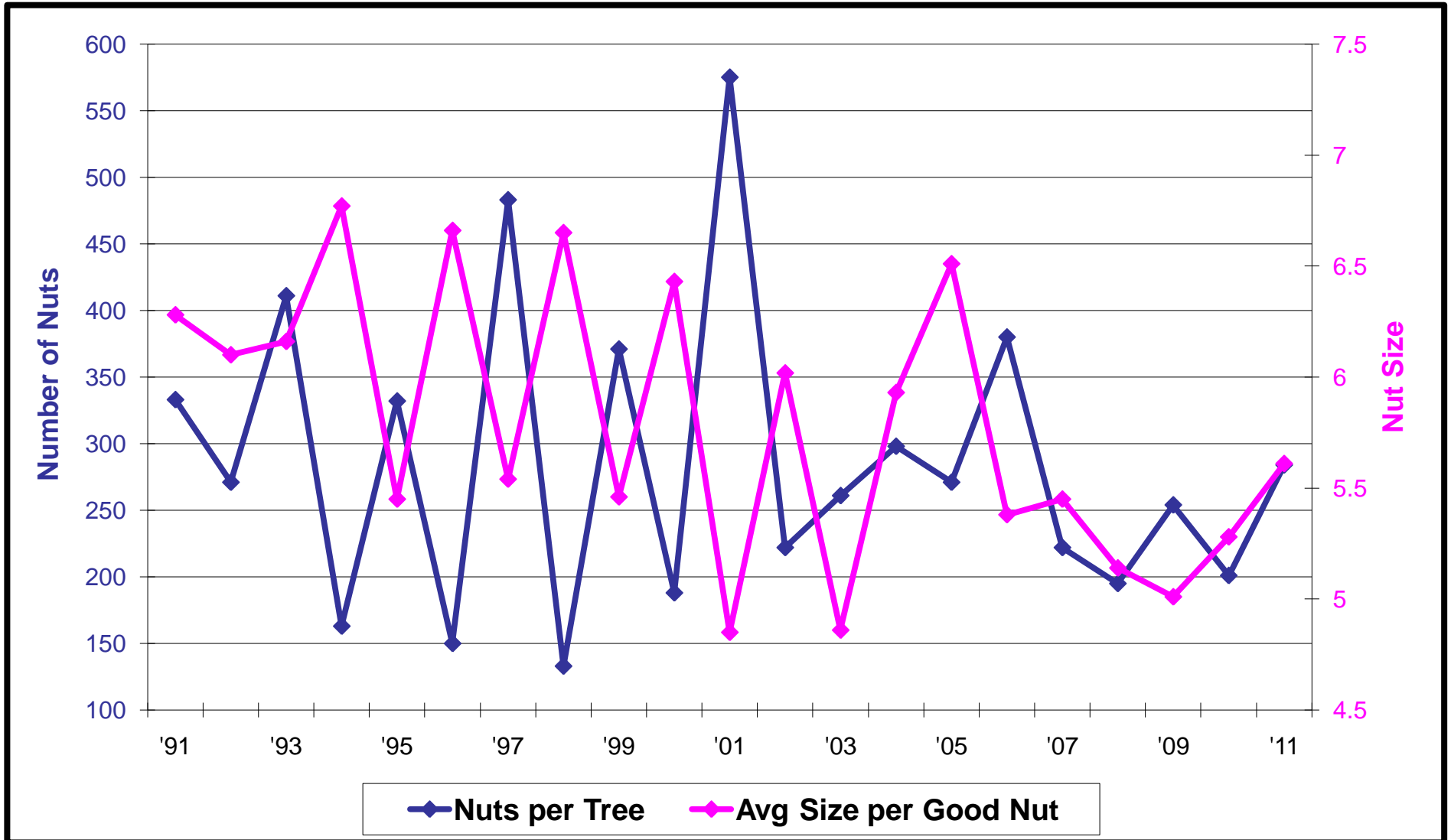
# Average Nut Size

## Hazelnut Objective Yield Lab





# Nuts per Tree vs. Nut Size



# Thank You

[www.nass.usda.gov/or](http://www.nass.usda.gov/or)

